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(54) TITANIUM DIOXIDE POWDER FOR PHOTOCATALYST

(57)Abstract:

PROBLEM TO BE SOLVED: To provide inexpensive titanium dioxide powder having excellent handleability, scarcely containing impurities and having a high photocatalyst activity.

SOLUTION: This titanium dioxide powder for photocatalyst has an average aggregate particle diameter of 0.1-10 µm, an average primary particle diameter of 10-1,000 nm, a BET specific surface area of 0.5-50 m²/g and a rutile type ratio of 10-100%. It is preferable that Fe, Al, Si, Na and Cl are contained in amounts of ≤10 ppm, ≤10 ppm, ≤10 ppm, ≤10 ppm and ≤200 ppm, respectively, as impure components in the titanium dioxide powder.